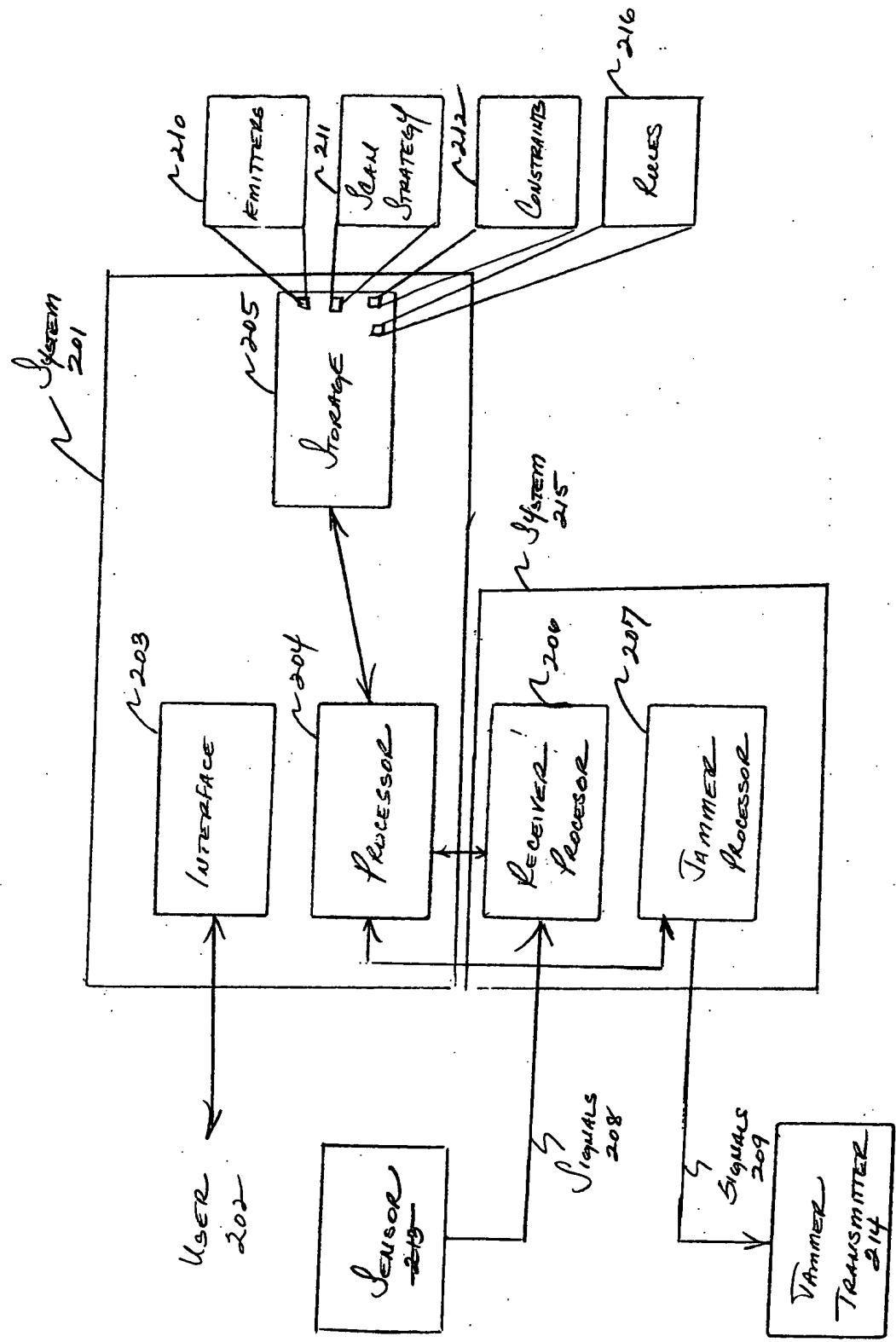


Figure 1



Page 2

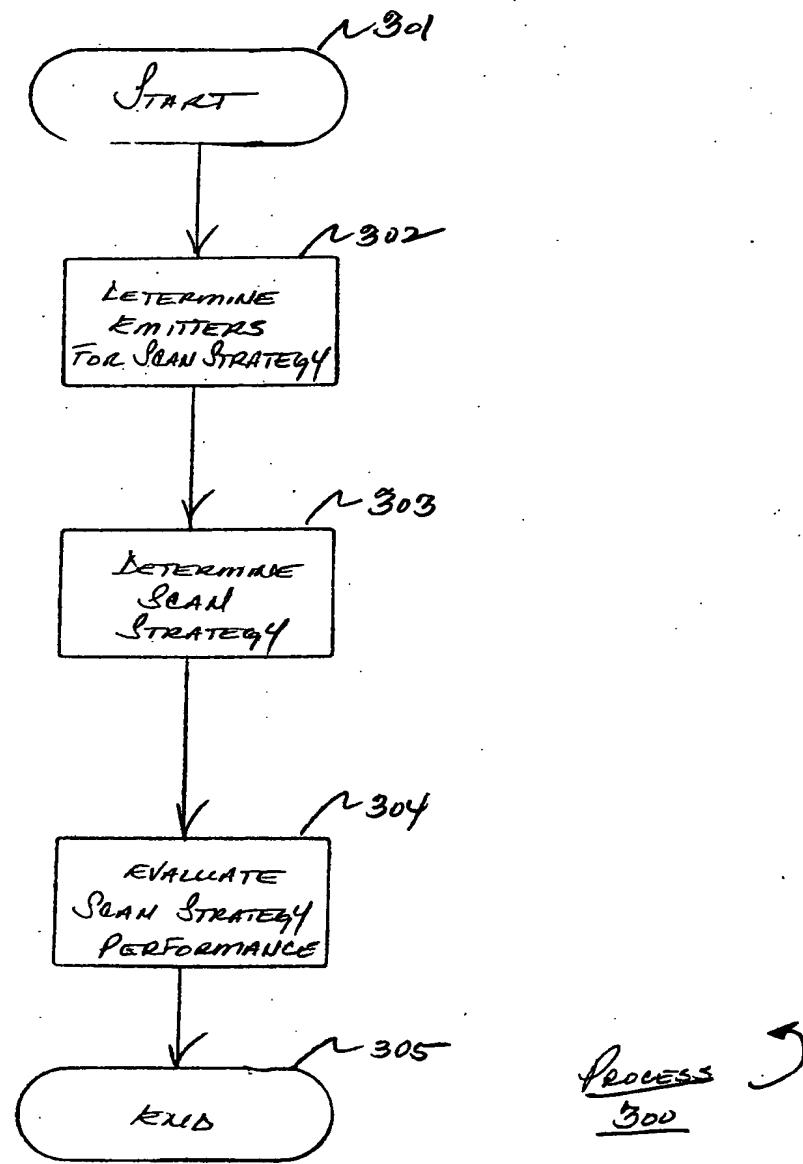


Figure 3

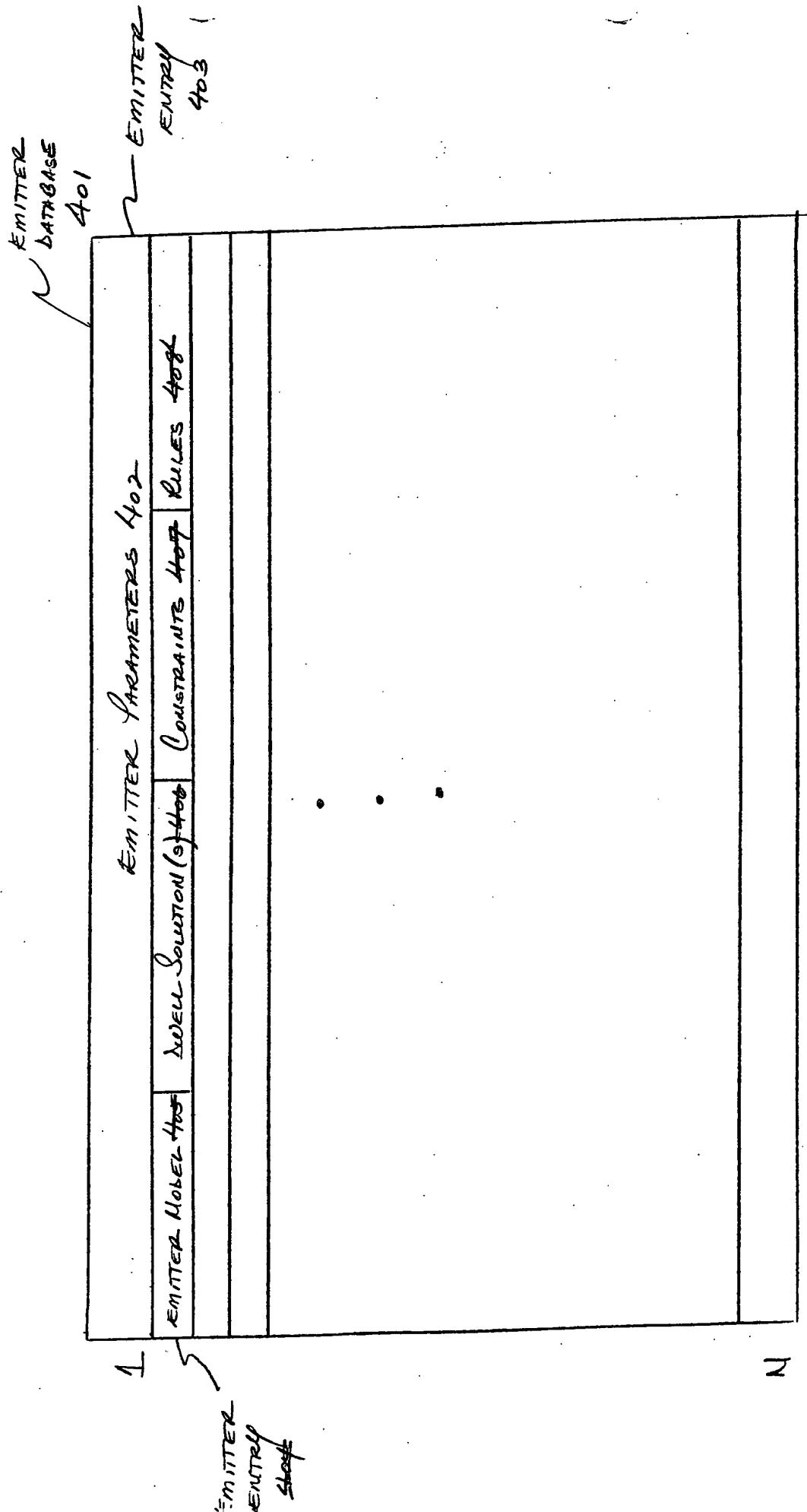


Figure 4

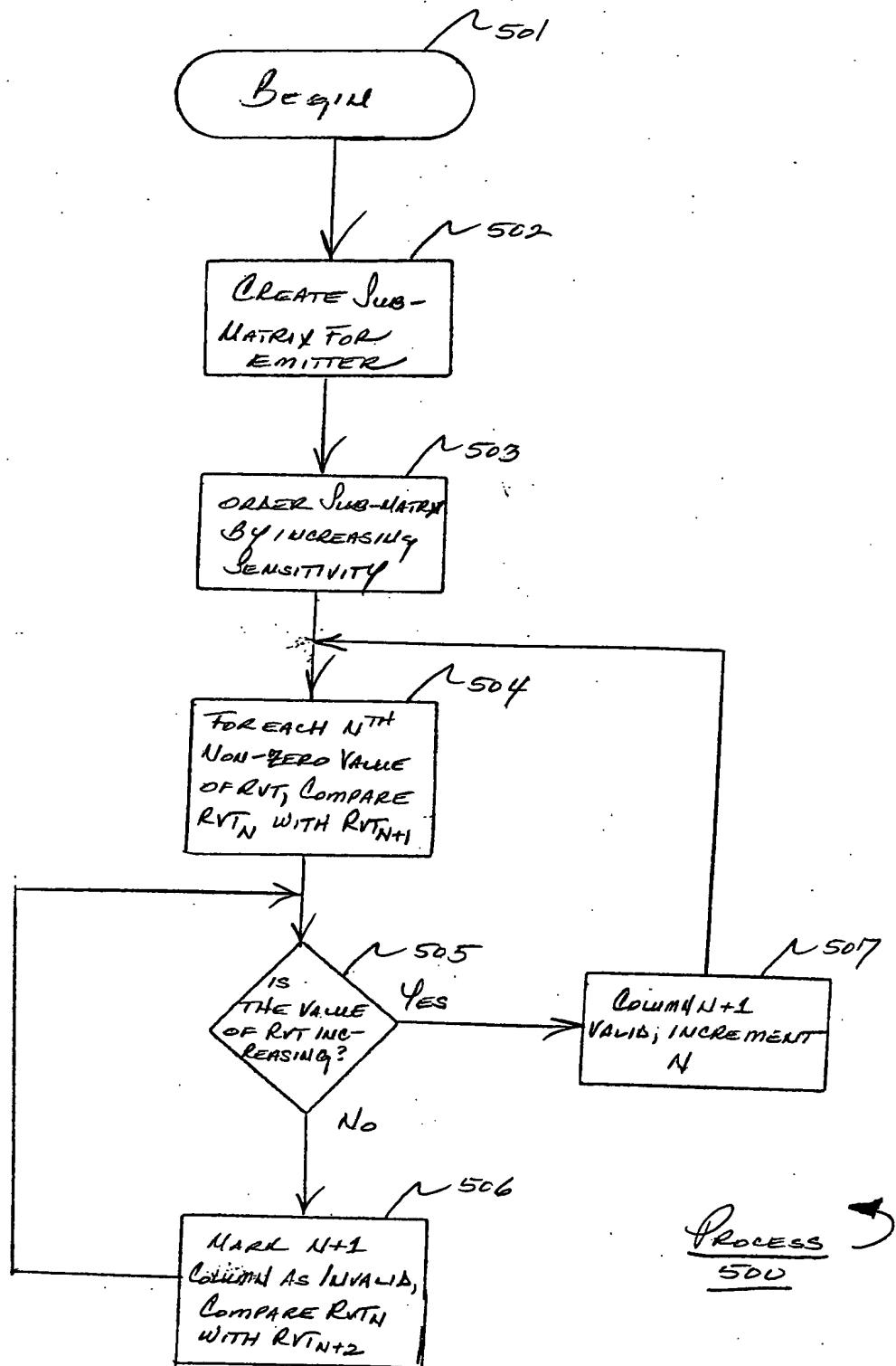


Figure 5

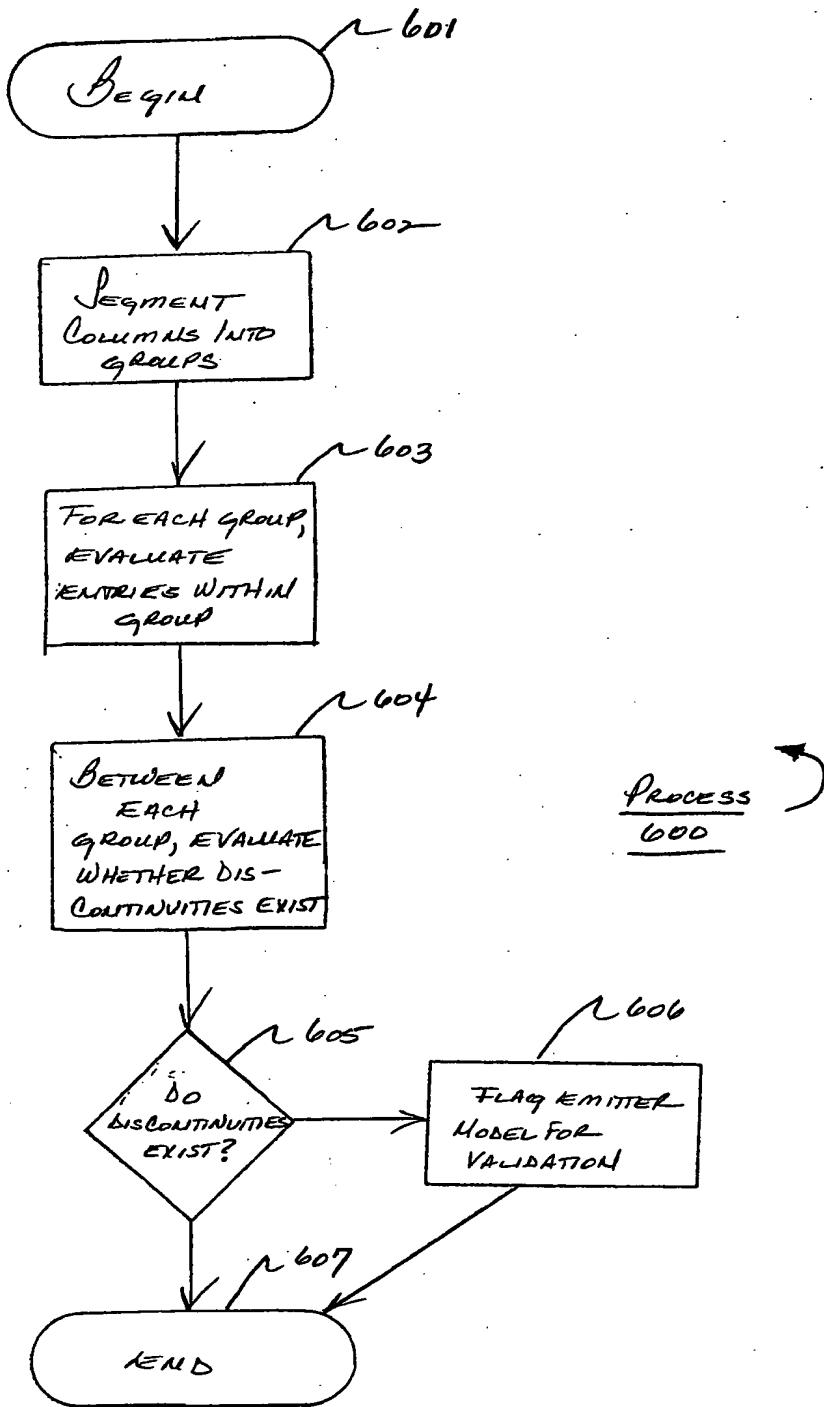


Figure 6

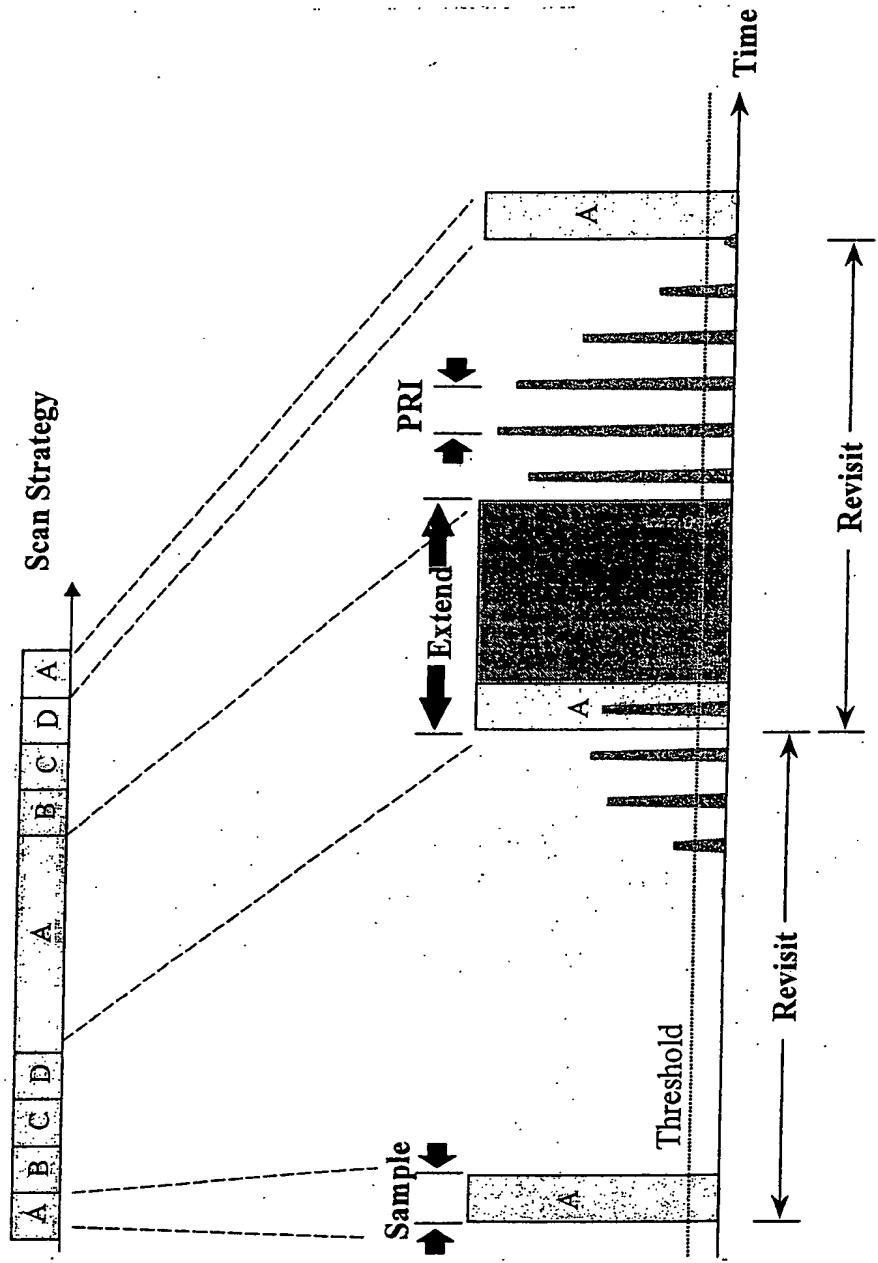


Figure 7

Figure 8a

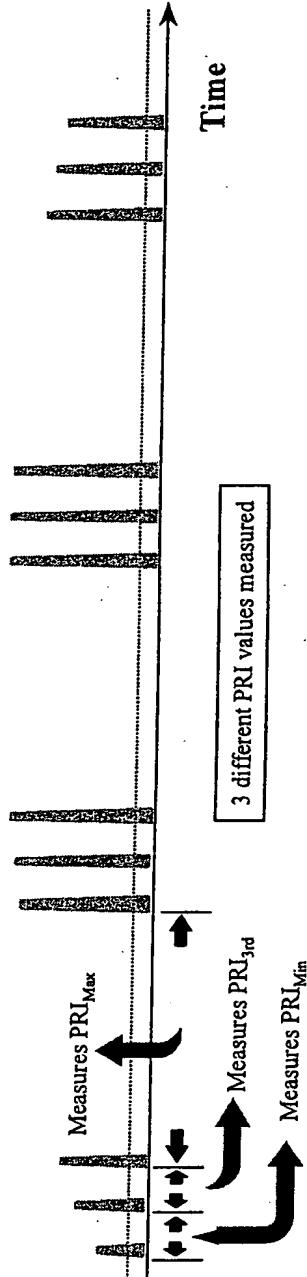
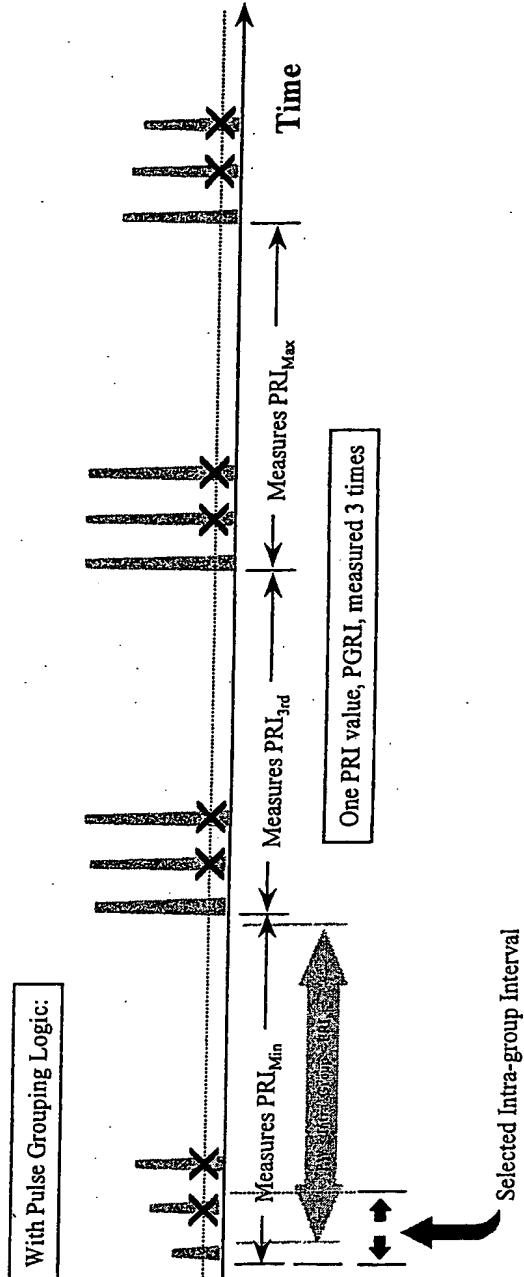


Figure 8b



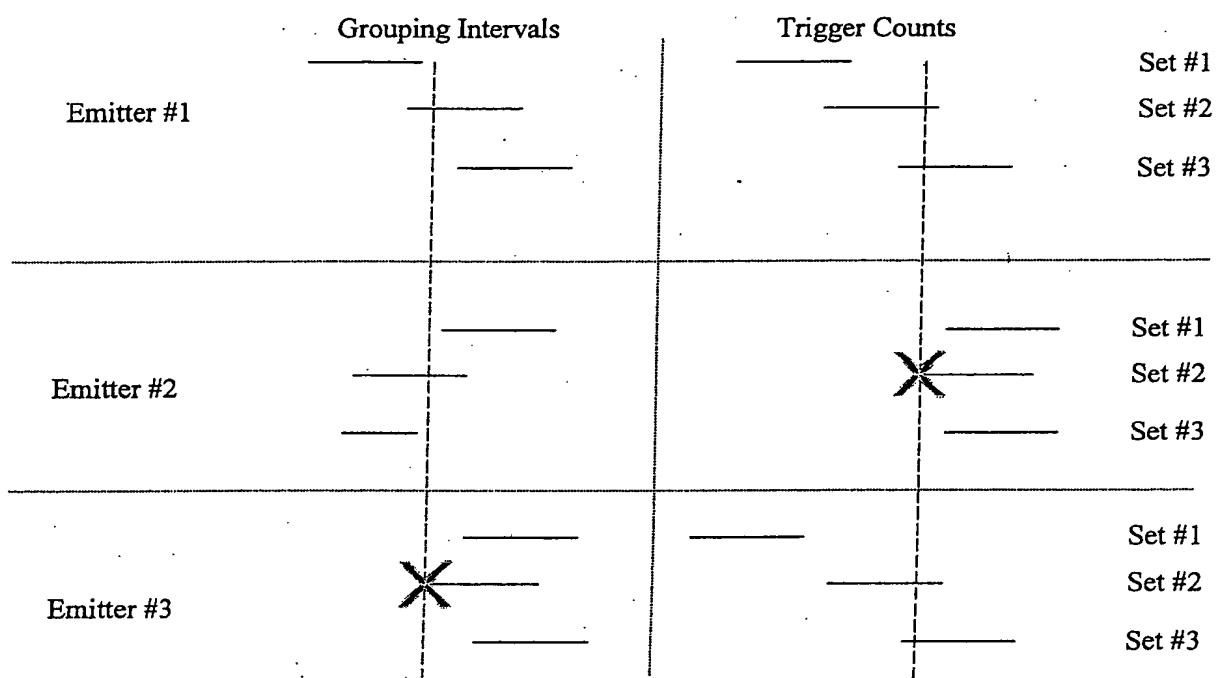
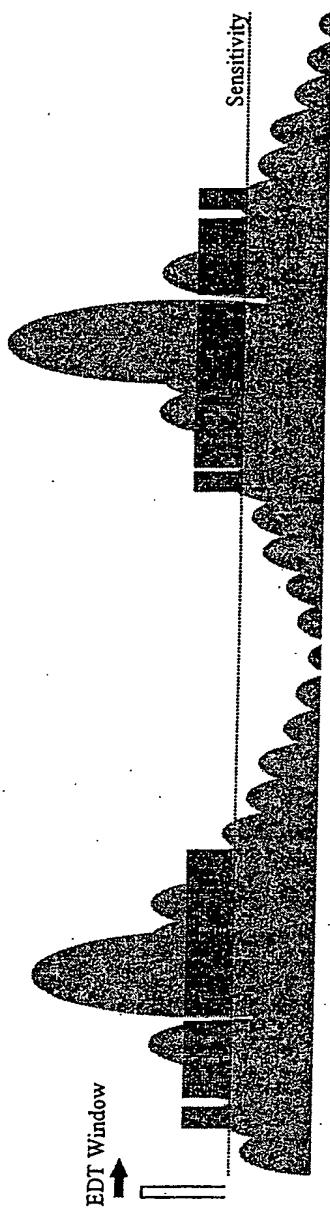


Figure 9

Figure
104



Discrete Illuminations (TIBS)

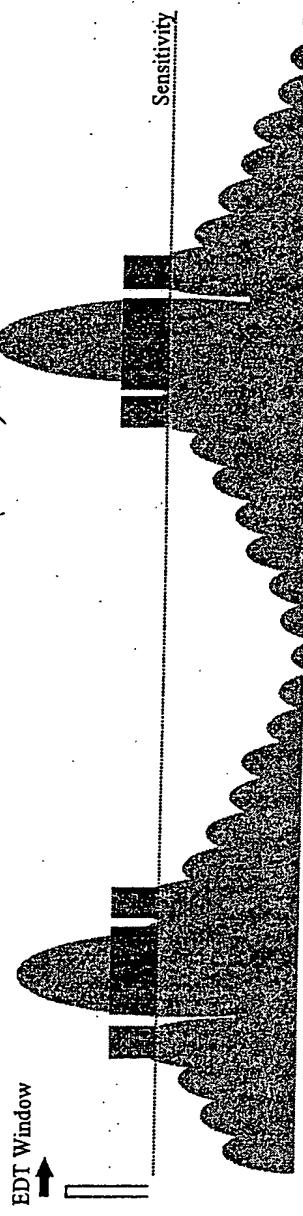
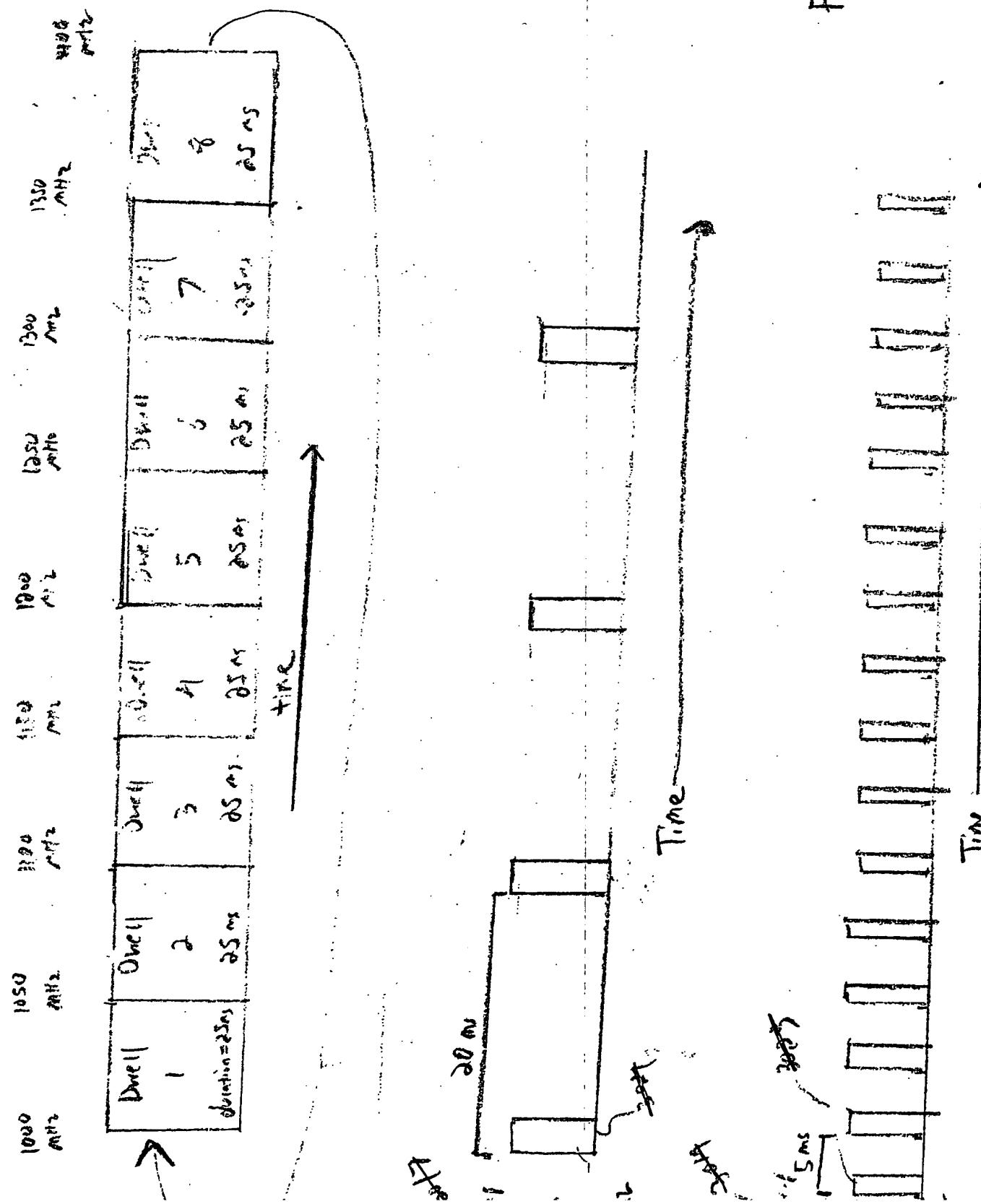


Figure
10b

Figure 11



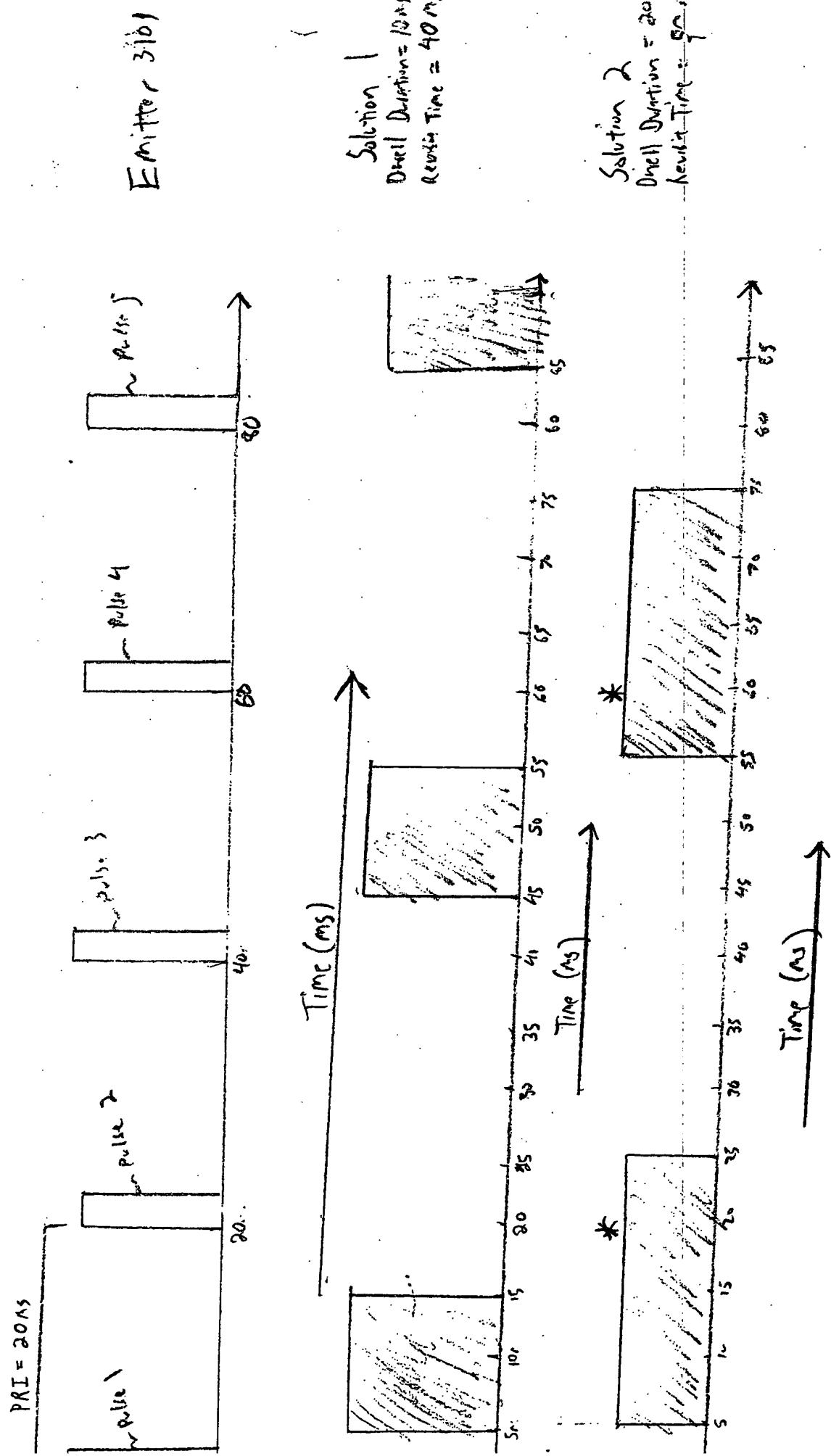


Figure 12

Figure 13

4000

Emitter Name	Output Power 250 mW RF 30 MHz 25 15 mW 100W 15 mW 100W	RF Min	RF Max (MHz)	MDT (ns)	Y in (ns)
E1	100 ns	650 ns	1000	1300	3
E2	180 ns	780 ns	1200	1350	5
E3	110 ns	330 ns	1510	1910	2
E4	130 ns	390 ns	1730	1860	4

Drill 1	
DD _{max} = 5	
RVT _{max} = 100	

$$\text{Cost} = \frac{5}{100} = 0.05$$

Solution 1

WIP	1030	1060	1090	1120	1150	1180	1210	1240	1270
Drill 1	DD _{max}								
Drill 2	3	3	3	3	3	3	3	3	3
RVT _{max}	650	650	650	650	650	650	650	650	650
Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost

$$\frac{3}{650} + \frac{3}{650} = \frac{31}{650} \approx 0.48$$

Solution 2

Solution

Figure 14A

Figure 15

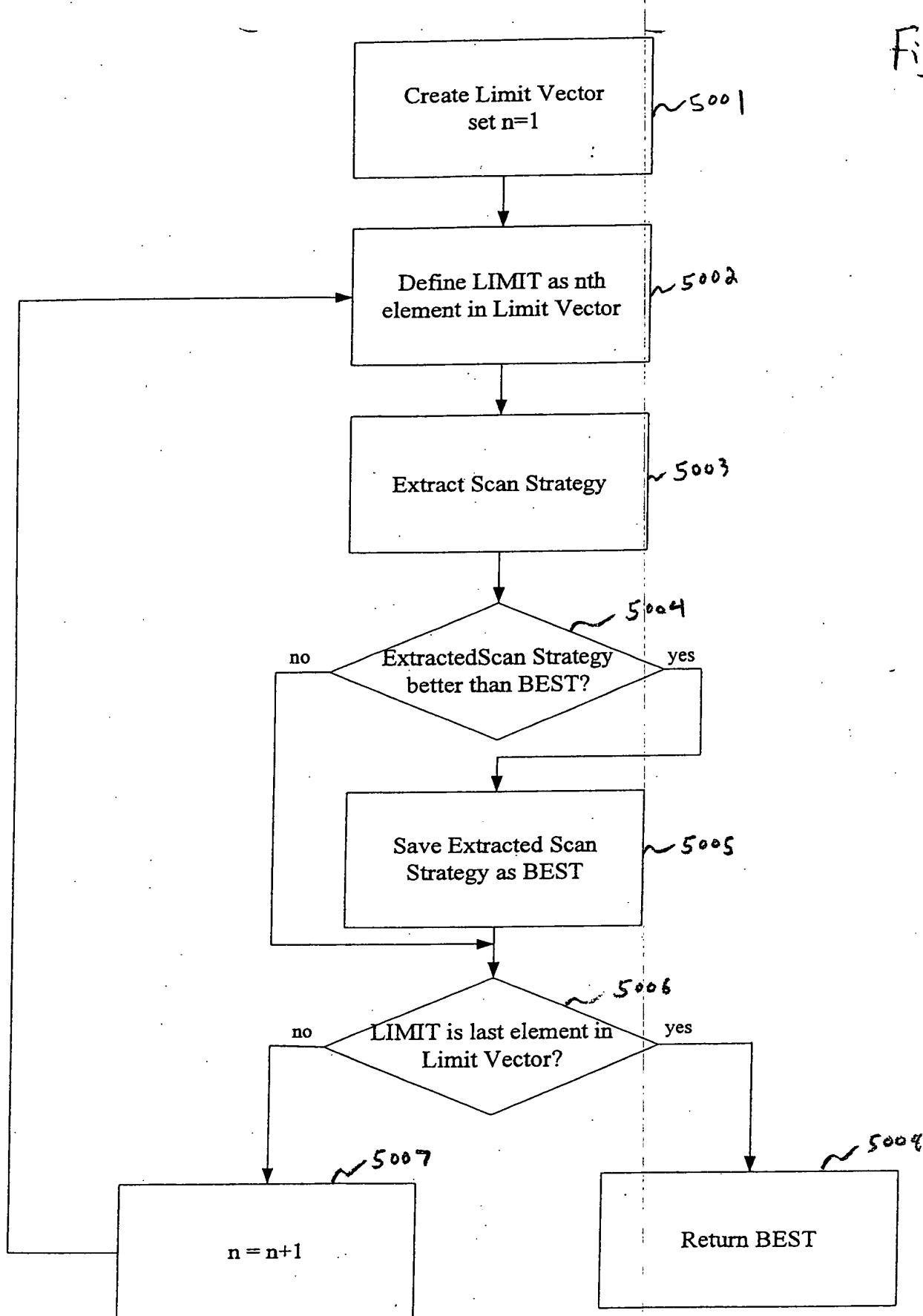
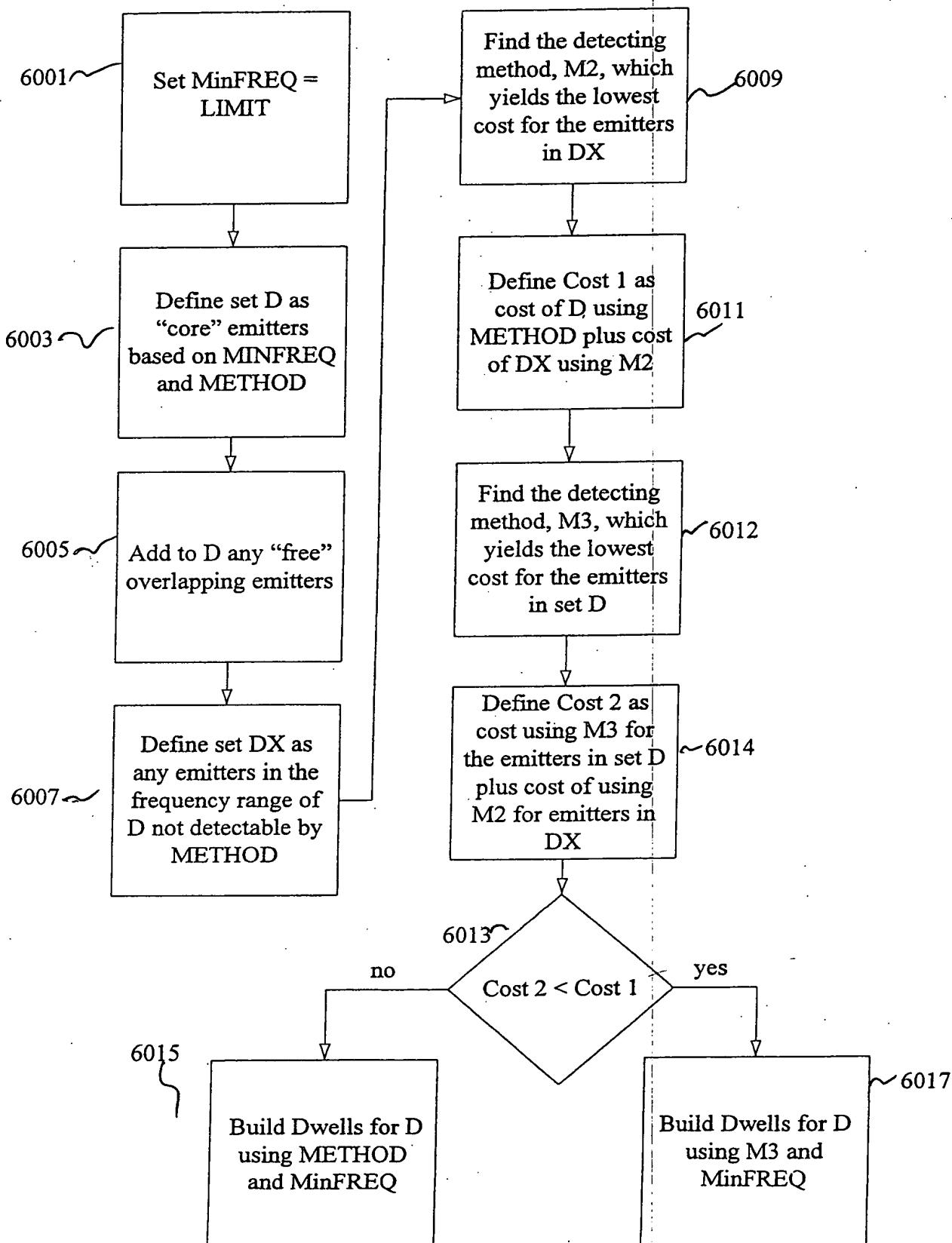


Figure 16



Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

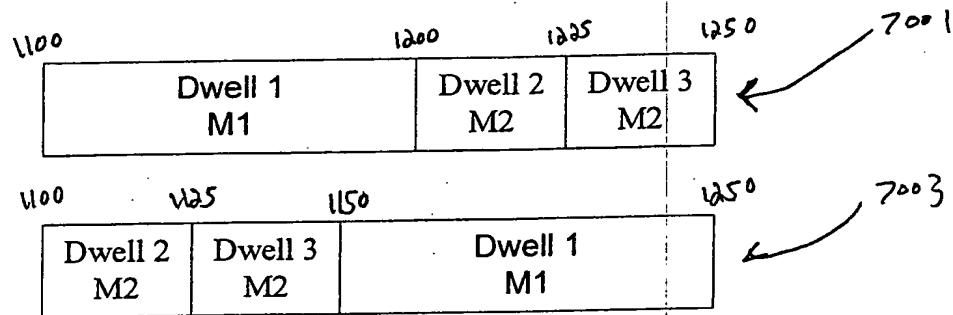


Figure 17

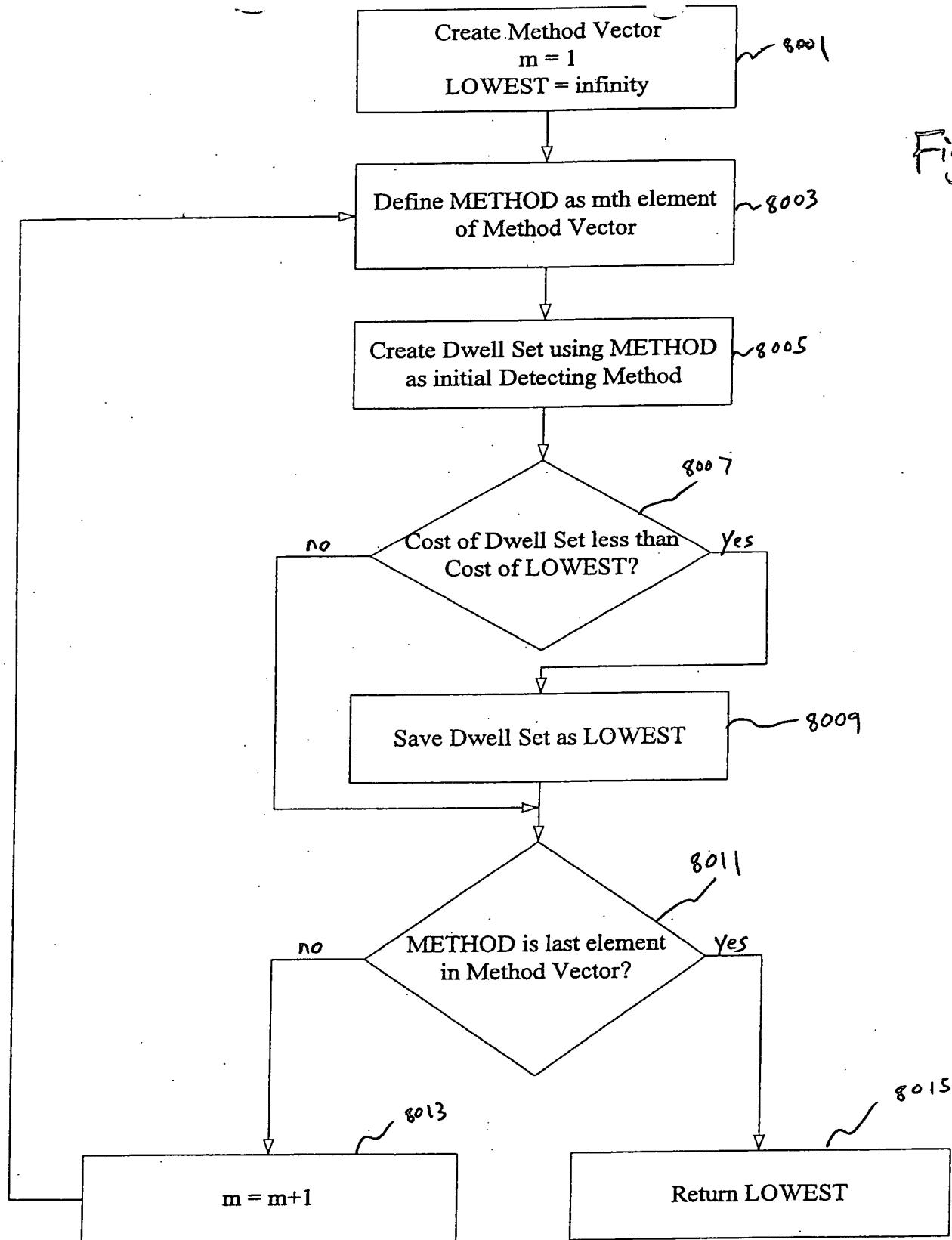


Figure 11

Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

Figure 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

Figure 20

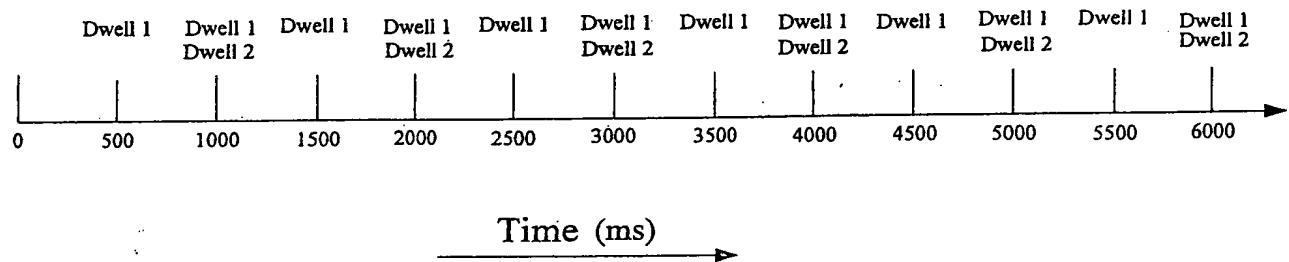


Figure 21

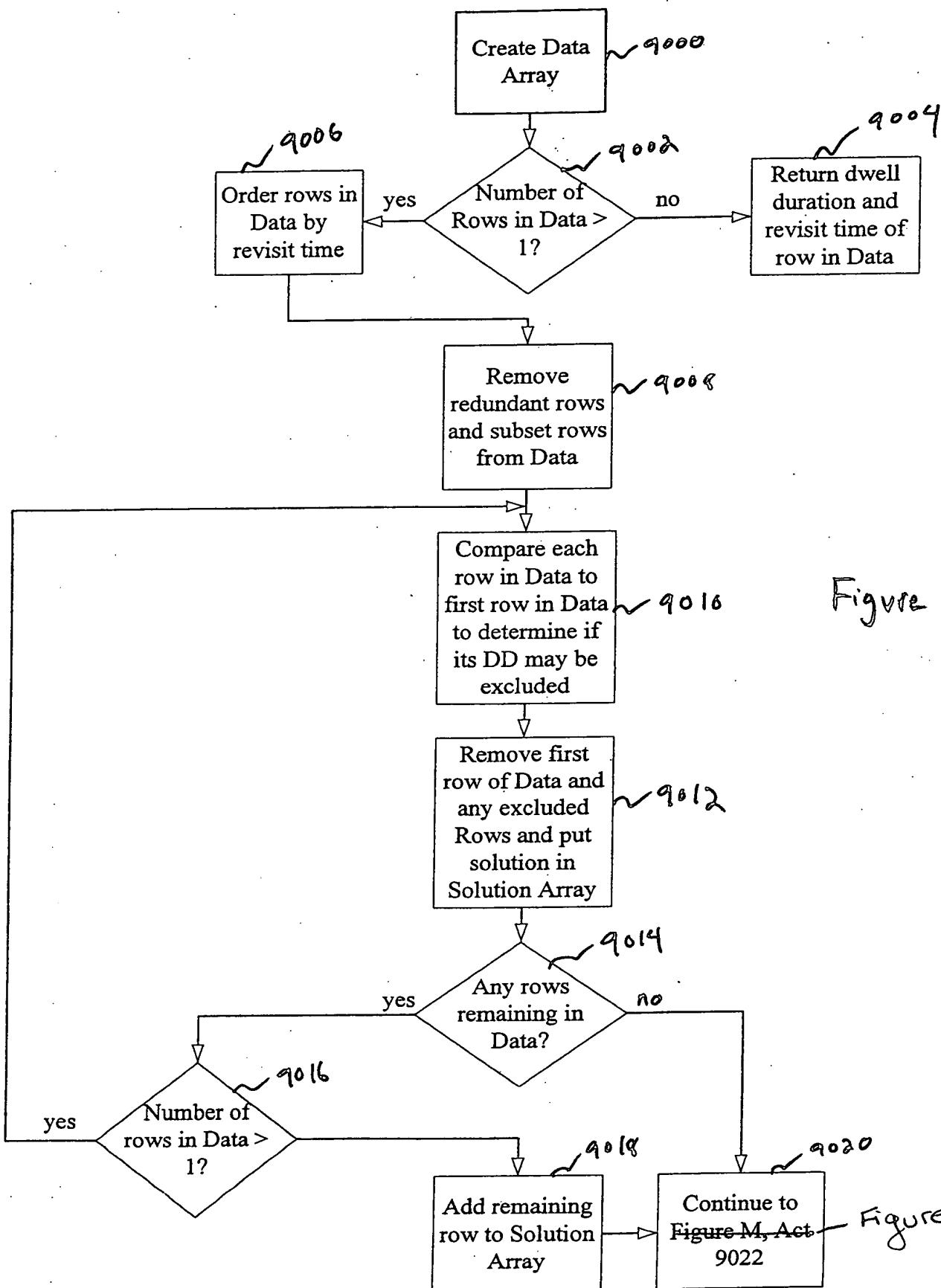


Figure 22

Figure 23, Act
9022

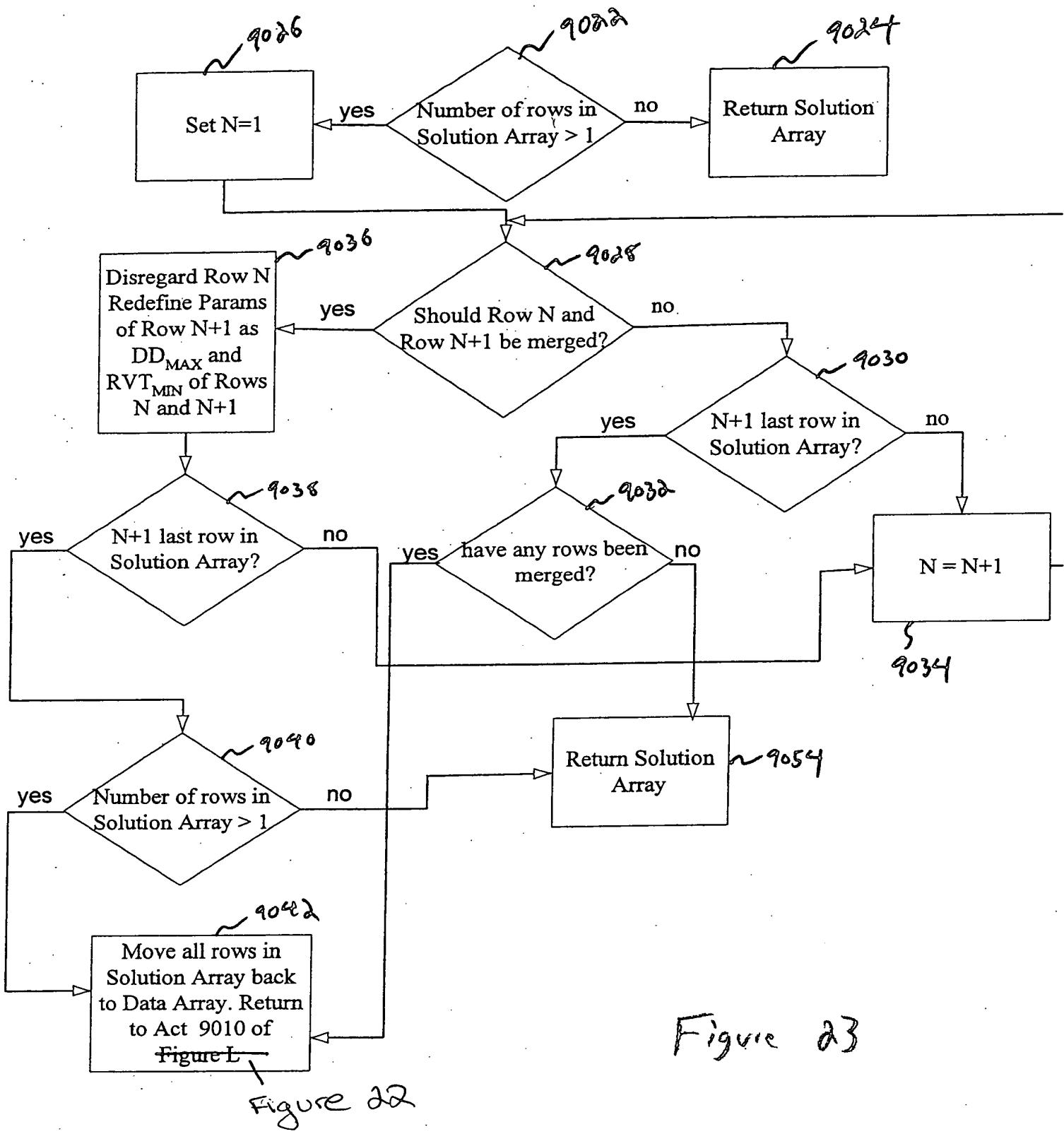


Figure 23

Figure 22

9044

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

Figure 24A

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

Figure 24B

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

Figure 24C

~9044

Data		
MDT	EDT	RVT
2	9	700
2.3	11	800

~9046

Solution		
MDT	EDT	RVT
1	19	500

Figure 24D

~9044

Data		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24E

~9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24F

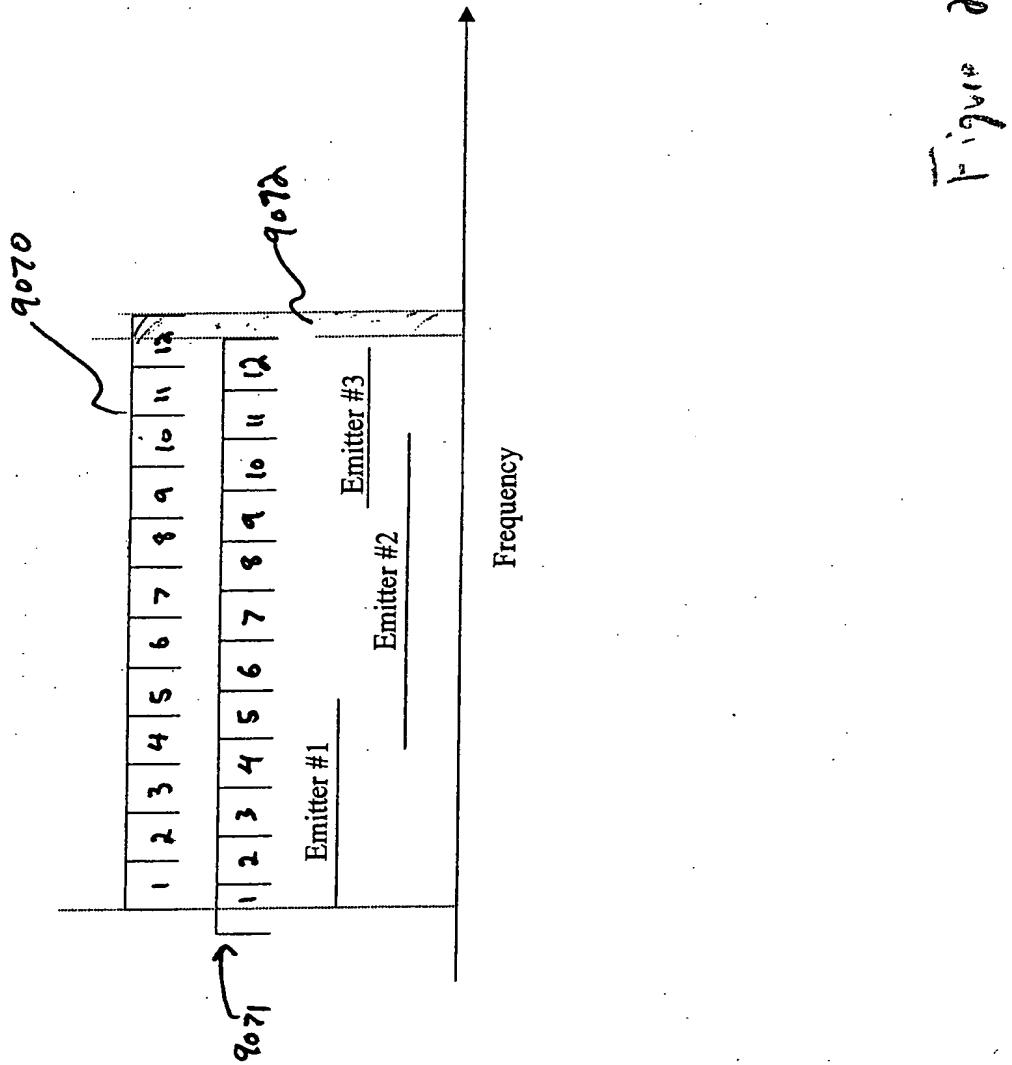


Figure 25

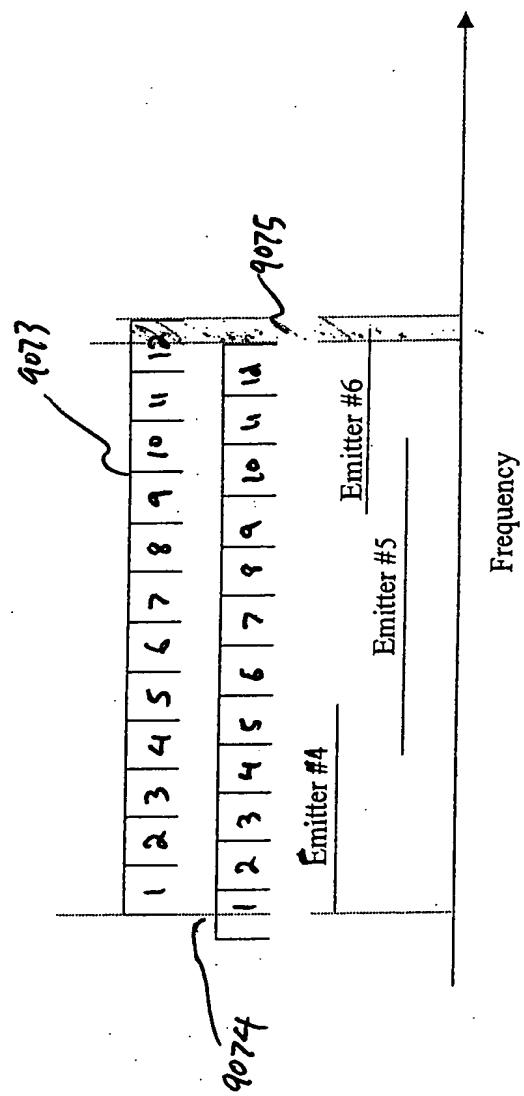


Figure 26

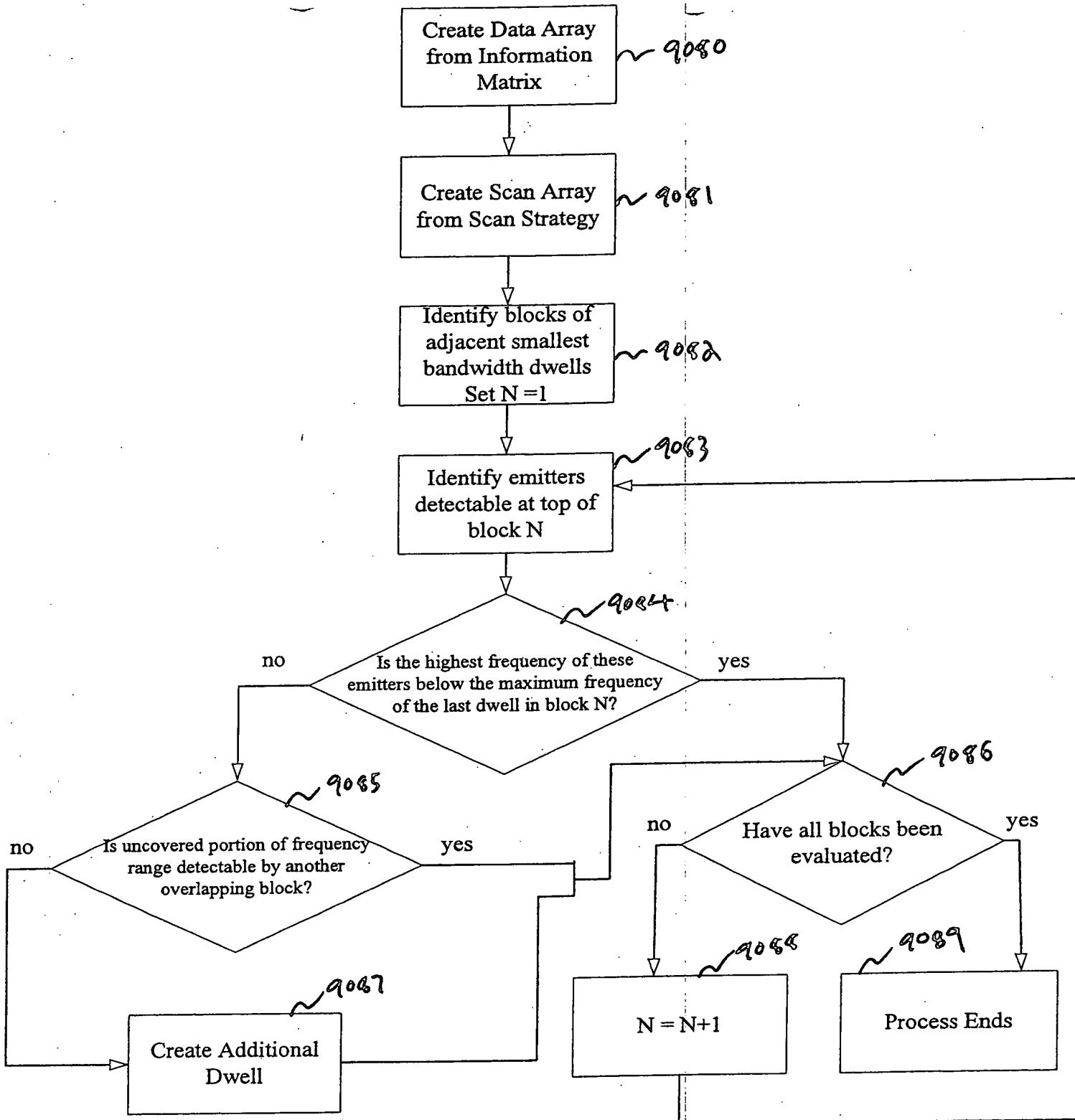


Figure 22

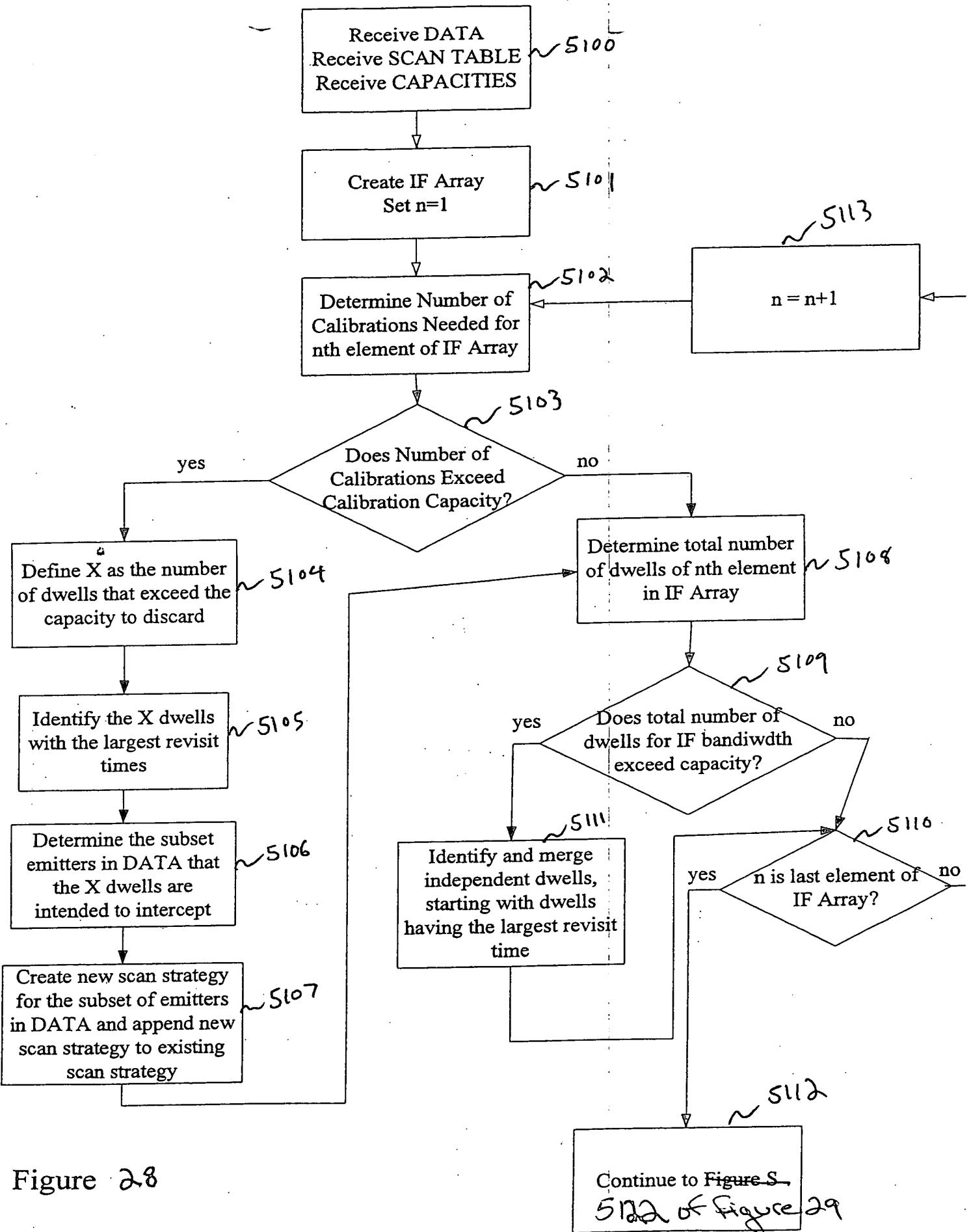


Figure 2.8

Continue to Figure S
S122 of Figure 29

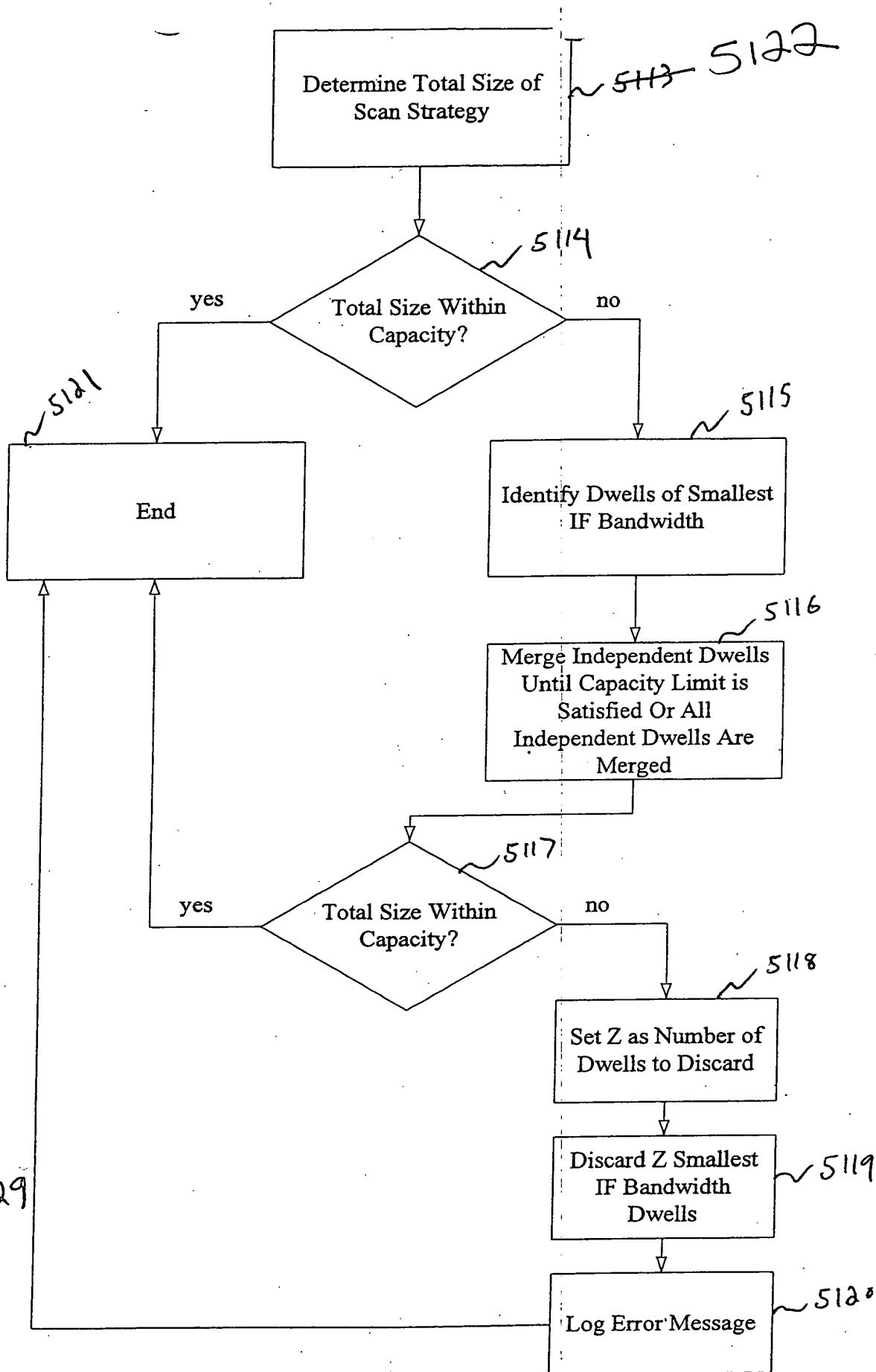


Figure 29

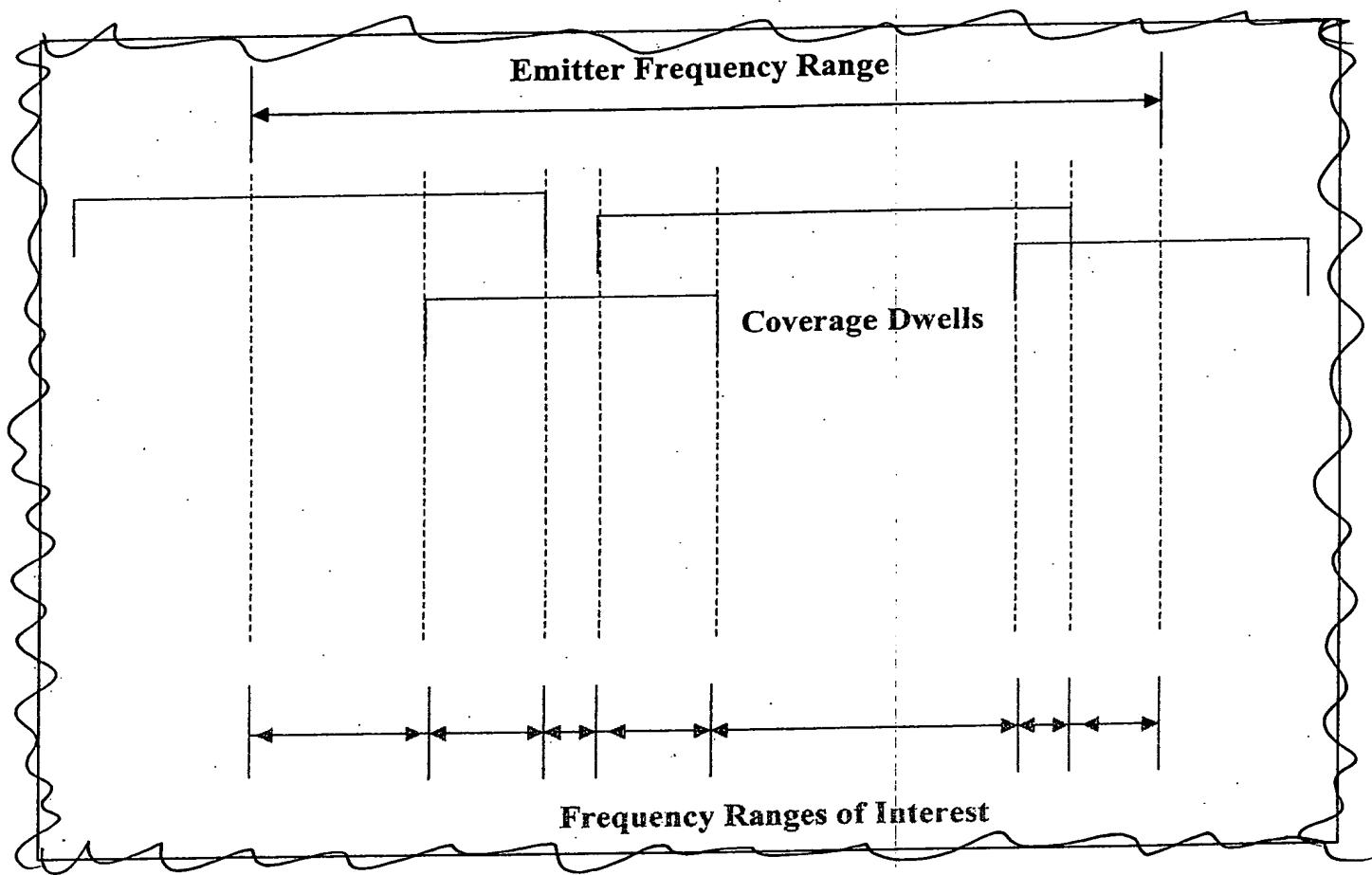


Figure 30

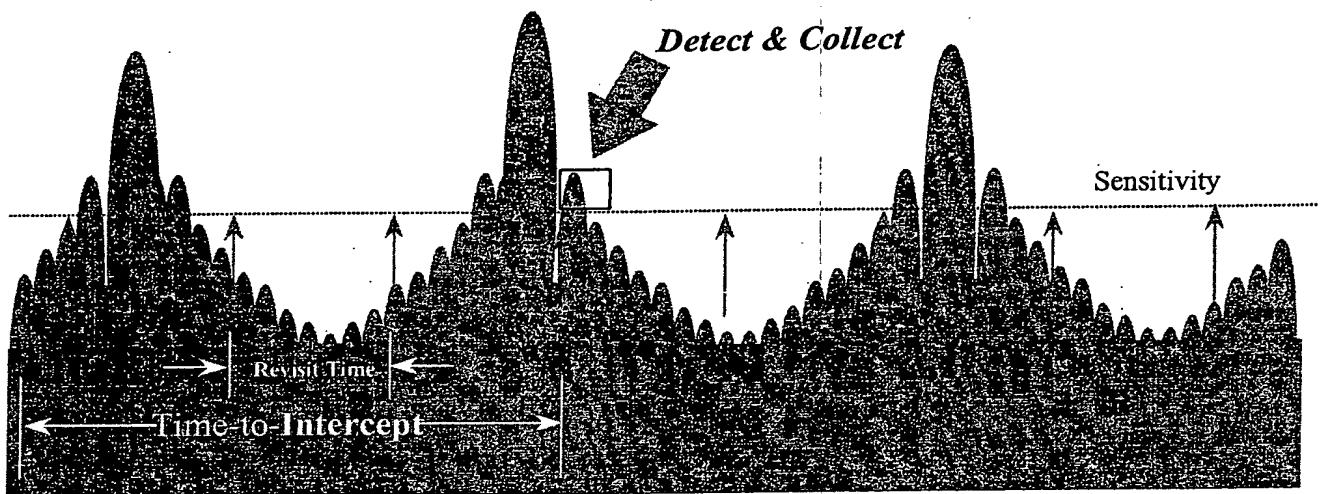


Figure 31

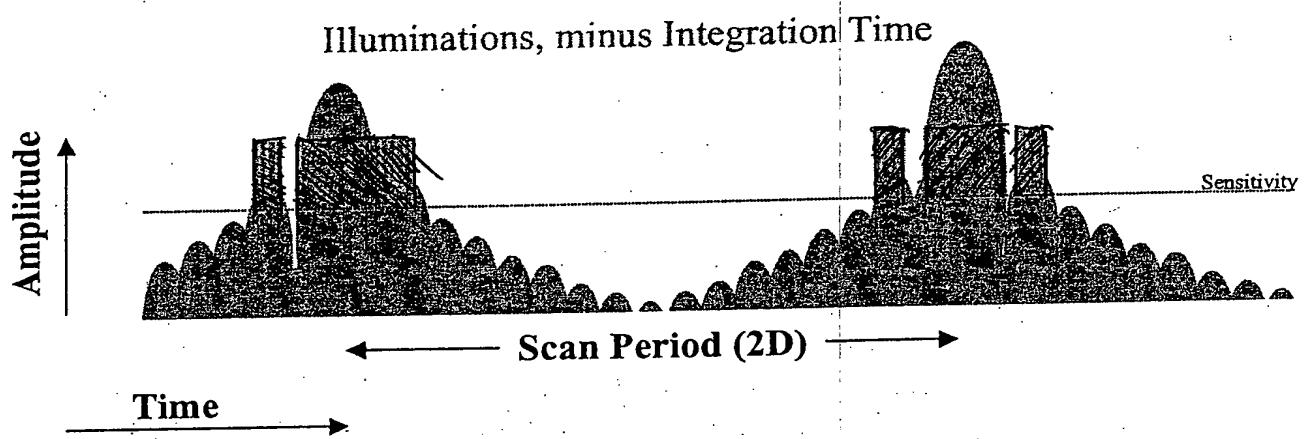


Figure 3d